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Dr. H. H. Rusby, chairman, Mrs. N. L. Britton, Miss Helen Ingersoll, Mr. Geo D. Hulst and Mr. T. H. Kearney, Jr.

Mr. G. T. Rignel, of Lockport, N. Y., was elected a corresponding member.

Dr. Britton alluded to the so-called *Rhamnus Caroliniana* of the vicinity of New York, and stated that on investigation it had been proved to be a different species which appeared to be undescribed in American books. Specimens were exhibited from New Durham, N. J., East New York, and Flushing, Long Island.

The following announced papers were presented:

"The Early Botanists," by Dr. S. Ely Jelliffe.

"The Species of *Orthotrichum* of Western North America," by Mrs. N. L. Britton. (Published in the present issue of the BULLETIN.)

Index to Recent Literature relating to American Botany.

Atkinson, George F. Heliotropism of *Cassia nictitans*. Bull. Torr. Bot. Club, 21: 81. 20 F. 1894.

Bailey, L. H. The Japanese Plums in North America. Bull. N. Y. (Cornell.) Exp. Sta. 62, 36. Ja. 1894.

Maintains that "the Japanese plums constitute the most important type of fruit introduced into North America during the last quarter of a century."

Bailey, L. H. Whence came the Cultivated Strawberry? Am. Nat. 28: 293-306. Ap. 1894.

Baker, J. G. *Hippeastrum brachyandrum*. Curt. Bot. Mag. 50: t. 7344. Mr. 1894.
A Paraguayan species.

Bay, J. Christian. The Micro-organisms of Fermentation. Am. Nat. 28: 343. Ap. 1894.

Bay, J. Christian. Vegetable Ferments. Bot. Gaz. 19: 68-71. Mr. 1894 [reprinted].

Beach, S. A. Strawberry Crosses. Bull. N. Y. (Geneva) Exp. Sta. 64, pp. 8, pl. 2. Ja. 1894.

Beech, S. A. Experiments in preventing Pear Scab. Bull. N. Y. (Geneva) Exp. Sta. 67, 181-204, pl. 2. F. 1894.
The treatment was successful with dilute Bordeaux mixture.

- Benson, Margaret.** Contributions to the Embryology of the Amentiferæ.—I. Trans. Linn. Soc. London, **3**: 409-424, *pl.* 67-72. F. 1894.
- Bescherelle, Em.** Musci Guadalupensis. Journ. de Bot. **8**: 61. 1 F. 1894.
 Descriptions of four new species under *Barbula*, *Bryum*, *Pterobryum* and *Lepidopilum*.
- Bessey, Charles E.** Holophytes and Hysterophytes. Am. Nat. **28**: 343. Ap. 1894.
- Blochman, Ida M.** Californian Herb-lore—IV. Erythea, **2**: 39, 40. 1 Mr. 1894.
- Bolley, H. L.** Typhoid Fever. Bull. N. Dak. Exp. Sta. **13**, 27-31, *f. r.* 1 Ap. 1894.
- Britton, Elizabeth G.** Contribution to American Bryology.—V. Notes on the North American Species of *Weissia* (*Ulotia*). Bull. Torr. Bot. Club, **21**: 65-76. 20 F. 1894.
- Britton, N. L.** Note on the Herbarium of Stephen Elliott. Bull. Torr. Bot. Club, **21**: 80, 81. 20 F. 1894.
- Conn, H. W.** The Ripening of Cream by artificial Bacteria Cultures. Bull. Conn. (Storrs) Exp. Sta. **12**, 20. F. 1894.
 Pure cultures of the species of bacteria producing the best flavors in butter can be furnished to the creameries by bacteriologists.
- Coville, Frederick Vernon.** *Ostrya Knowltoni*, a new Species of Hop Hornbeam. Gard. & For. **7**: 114, 23. 21 Mr. 1894.
 From the Grand Cañon of the Colorado.
- Coville, Frederick Vernon.** Proposed Seed Collection of U. S. National Herbarium. Bot. Gaz. **19**: 121. 16 Mr. 1894.
- Davis, Bradley Moore.** Contributions from the Cryptogamic Laboratory of Harvard University.—XXIII. Notes on the Life History of a blue-green motile Cell. Bot. Gaz. **19**: 96-102, *pl.* 11. 16 Mr. 1894.
 Notes on *Cryptoglena Americana* sp. nov., which the author suggests may be the motile form of *Polycystis pallida*.
- Davy, J. Burt.** Some Citations needing Correction. Erythea, **2**: 48-51. 1 Mr. 1894.
- Dewevre, A.** Contribution a l'Etude des Mucorinées. Grev. **22**: 69-76. Mr. 1894.
 Descriptions and synonymy of the species of *Pilobolus*. No reference is made to the occurrence of any of the species as American, but several are well known.

- Durand, Elias J.** Some rare Myxomycetes of Central New York, with Notes on the Germination of *Enteridium Rozeanum*. Bot. Gaz. 19: 89-95, *pl.* 9, 10. 16 Mr. 1894.
Notes and fuller descriptions of *Arcyria macrospora* Pk., *Cribraria purpurea* Schrader, and *Trichia erecta* Rex.
- Eby, Amelia F.** A Reprint of the Preliminary List of the Lichens of Lancaster county, Pa. Pamphlet, pp. 17. 7 Mr. 1894.
- Frost, W. D.** Determinations of Some Minnesota Lichens. Bull. Geol. Nat. Hist. Surv. Minn. 9, Part 2, 81-55. 21 Mr. 1894.
- Golden, Katherine E.** An Auxanometer for the Registration of Growth of Stems in Thickness. Bot. Gaz. 19: 113-116, *pl.* 12, 13. 16 Mr. 1894.
Illustration of instrument and record of experiments.
- Greene, Edward L.** Historical Notes on some Californian Trees.—I. Erythea, 2: 43-48. 1 Mr. 1894.
Notes on early notices of Californian oaks.
- Greene, Edward L.** *Sambucus cœrulea* Raf. Erythea, 2: 52. 1 Ma. 1894.
Citation of the above name as prior to *S. glauca*.
- Hollick, Arthur.** Additions to the Palæobotany of the Cretaceous Formation on Long Island. Bull. Torr. Bot. Club, 21: 49-65, *pl.* 174-180. 20 F. 1894.
Describes nine new species and illustrates numerous others.
- Hopkins, A. D.** Black Holes in Wood. Bull. W. Va. Exp. Sta. 36, pp. 30, *f.* 16. F. 1894.
- Hopkins, A. D.** Defects in Wood caused by Insects. Bull. W. Va. Exp. Sta. 35, pp. 20, *f.* 26. Ja. 1894.
- Howe, Marshall A.** A Fern new to California. Erythea, 2: 51, 52. 1 Mr. 1894.
Dryopteris spinulosa dilatata from Olema.
- Halsted, Byron D.** Club Root in common Weeds. Bull. Torr. Bot. Club, 21: 76-78. 20 F. 1894.
Notes occurrence of *Plasmodiophora Brassicæ* in roots of *Bursa pastoris* and *Sisymbrium vulgare*.
- Hansen, Geo.** Probable hybridization of *Calochortus*. Erythea, 2: 52. 1 Mr. 1894.
- Hart, J. H.** *Vanilla planifolia*. Bull. Misc. Information, Trinidad Roy. Bot. Gard. 240, *figs.* Ja. 1894.
- Hill, E. J.** *Potentilla recta* L. Bull. Torr. Bot. Club, 21: 79, 80. 20 F. 1894.

- Hitchcock, A. S.** *Eragrostis Eragrostis* (L.) Beauv. Erythea, 2 : 37-39. 1 Mr. 1894.
Review of synonymy.
- Jenman, J. S.** West Indian Ferns. Gard. Chron. 15 : 264. 3 Mr. 1894.
Description of *Nephrodium* (*Lastrea*) *nimbatum* n. sp., from Jamaica.
- Jenman, H. J.** West Indian Ferns. Gard. Chron. 15 : 330. 17 Mr. 1894.
Description of *Nephrodium* (*Lastrea*) *basiattenuatum* n. sp.
- Kearney, T. H., Jr.** *Leucampyx Newberryi* A. Gray. Bull. Torr. Bot. Club, 21 : 82. 20 F. 1894.
- Kuntze, Otto.** On a new Code of Nomenclature. Bot. Gaz. 19 : 126. 16 Mr. 1894.
- MacDougal, D. T.** Frost Plants. Bot. Gaz. 19 : 120, 121. 16 Mr. 1894.
- MacDougal, D. T.** Nitrogen Assimilation of *Isopyrum biternatum*. Bull. Geol. Nat. Hist. Surv. Minn. 9, Part 2, 39-42. 21 Mr. 1894.
- Masters, Maxwell T.** *Pinus Montesumæ*. Gard. Chron. 15 : 273, 29-32. 3 Mr. 1894.
- Massee, G.** Exotic Fungi. Grev. 22 : 67, 68. Mr. 1894.
Describes *Chaetostroma Sacchari* from Barbados and *Phyllosticta Anibæ* from U. S. of Columbia.
- Meehan, Thomas.** *Fritillaria pudica*. Meehans' Month. 4 : 49. pl. 4. Ap. 1894.
- Mez, Carolus.** Bromeliaceæ.—III. Flora Brasiliensis, fasc. CXV., 425-634, t. 81-114. 1 F. 1894.
- Michener, C.** An Abbreviation in Botanic Technic. Erythea, 2 : 40-43. 1 Mr. 1894.
Notes on drying plants for herbaria.
- Mulford, A. Isabel.** Notes upon the Northwestern and Rocky Mountain Flora.—I. Bot. Gaz. 19 : 117-120. 16 Mr. 1894.
Account of summer in Idaho. Descriptions of *Oenothera Idahoensis*, *Scutellaria Footeana*, *Frasera carulea* and *F. montana* as new species.
- Müller, J.** Lichenes Eckfeldtiani. Bull. Herb. Boiss. 2 : 89-93. F. 1894.
An enumeration of forty species of Lichens principally Mexican.
- Pammel, L. H.** Notes on a few common Fungus Diseases. Iowa Agric. Coll. Exp. Sta. Bull. 23, 918-924. 1894.

- Peckholt, Theodor.** Brazilianische Nutz-und Heilpflanzen—Maranta-
ceen. Pharm. Rundsch. 12: 87. Ap. 1894.
- Robertson, Charles.** Flowers and Insects.—XII. Bot Gaz. 19:
103–112. 16 Mr. 1894.
Insect visitors of *Clematis Virginiana*, *C. Pitcheri*, *Ranunculus septentrionalis*
R. fascicularis, *R. abortivus*, *Hypericum cistifolium*, *Xanthoxylum Americanum*
Rhus glabra.
- Rothrock, J. T.** The White Ash (*Fraxinus Americana*). Forest
Leaves, 4: 120, fig. 1–3. Ap. 1894.
- Sargent, C. S.** *Prunus Watsoni*. Gard. & For. 7: 134, fig. 25. 4
Ap. 1894.
Description of a new species from Kansas.
- Schumann, K.** *Echinocactus Lecontei* Eng. und seine verwandt-
schaftlichen Beziehungen. Monats. Kakteenk. 4: 41, 1 fig. 20 Mr.
1894.
- Sheldon, E. P.** Further Extensions of Plant Ranges. Geol. Bull.
Nat. Hist. Surv. Minn. 9, Part 2, 66–80, pl. 6. 21 Mr. 1894.
Laciniaria scariosa corymbulosa is described as new.
- Sheldon, E. P.** Synonymy of the North American Species of *Juncodes*
with further nomenclatural Notes on *Astragalus*. Bull. Geol. Nat.
Hist. Surv. Minn. 9, Part 2, 62–65. 21 Mr. 1894.
- Sheldon, E. P.** Revised Descriptions of the Minnesota *Astragali*.
Bull. Geol. Nat. Hist. Surv. Minn. 9, Part 2, 54–61. 21 Mr. 1894.
- Starnes, H. N.** Cotton Crosses and Hybrids. Bull. Ga. Exp. Sta.
24, pp. 3. F. 1894.
- Sturgis, W. C.** Literature of Fungous Diseases. Bull. Conn. (New
Haven) Exp. Sta. 118, pp. 36. Mr. 1894.
A provisional bibliography of the more important works published by the U. S.
Department of Agriculture and the Agricultural Experiment Stations of the United
States from 1886 to 1893 inclusive, on fungous and bacterial diseases of economic
plants.
- Tilden, Josephine E.** On the Morphology of Hepatic Elaters, with
special Reference to branching Elaters of *Conocephalus conicus*. Bull.
Geol. Nat. Hist. Surv. Minn. 9, Part 2, 43–53, pl. 4–5. 21 Mr.
1894.